ABSTRACT

A virtual machine with mechanisms for class
loading and class structure management in a device
having limited file system and/or memory resources.
5 The virtual machine includes a class loader that
obtains one or more of a set of predefined classes
from a network server, thereby reducing or
eliminating the need for a local file system in the
device. The class loader stores the predefined
10 classes into a class structure in memory in the
device. The virtual machine further includes a
memory manager that purges selected ones of the
predefined classes from the class structure so as to
optimize the use of the memory consumed by the
15 predefined classes in the class structure.

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